

**MULTI-FUNCTIONAL ANTIBODIES**

**ABSTRACT OF THE DISCLOSURE**

The present invention provides antibodies comprising an antigen recognition  
5 domain that specifically binds to a metal chelate: mutant antibodies comprising a reactive site  
not present in the wild-type of the antibody, wherein the reactive site is in a position  
proximate to or within the antigen recognition domain; and methods of using such antibodies  
to diagnose and treat disease.

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